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*Toyama, K.; Blake, A.;*

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### Kentaro Toyama's Home Page

**Kentaro Toyama**. I'm a Researcher in the Interactive Visual Media Group at Microsoft Research (MSR), where I work on projects involving ...  
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... **Kentaro Toyama**. **Kentaro Toyama** ([toyama-kentaro@CS.YALE.EDU](mailto:toyama-kentaro@CS.YALE.EDU)) received his BA in Physics from Harvard University and is currently pursuing ...  
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... ICSE 1999: 484-493. 14, EE, Zachary Dodds, Martin Jägersand, Gregory D. Hager, **Kentaro Toyama**: A Hierarchical Vision Architecture for Robotic Manipulation Tasks. ...  
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### Center for Imaging Science, Seminar Series, Spring 2001

... Detection, November 27, 2001, **Kentaro Toyama**, Computer Vision at Microsoft Research and Probabilistic Tracking in a Metric Space, December ...  
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... at Microsoft Research in San Francisco (Bay Area Research Center), where I worked in the Media Presence Group with Dr. Jim Gemmell and Dr. **Kentaro Toyama**. ...  
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 The direct sum of two term rewriting systems is the union of systems having disjoint sets of function symbols. It is shown that if two term rewriting systems both have the Church-Rosser property, then the direct sum of these systems also has this property.
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**Crossroads** September 1996  
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 Motomichi Toyama  
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 ChengXiang Zhai , John Lafferty  
**Proceedings of the 25th annual international ACM SIGIR conference on Research and development in information retrieval** August 2002

The optimal settings of retrieval parameters often depend on both the document collection and the query, and are usually found through empirical tuning. In this paper, we propose a family of two-stage language models for information retrieval that explicitly captures the different influences of the query and document collection on the optimal settings of retrieval parameters. As a special case, we present a two-stage smoothing method that allows us to estimate the smoothing parameters completely ...
- 2** A study of smoothing methods for language models applied to Ad Hoc information retrieval 98%

 Chengxiang Zhai , John Lafferty  
**Proceedings of the 24th annual international ACM SIGIR conference on Research and development in information retrieval** September 2001

Language modeling approaches to information retrieval are attractive and promising because they connect the problem of retrieval with that of language model estimation, which has been studied extensively in other application areas such as speech recognition. The basic idea of these approaches is to estimate a language model for each document, and then rank documents by the likelihood of the query according to the estimated language model. A core problem in language model estimation is
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information retrieval

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**Proceedings of the 25th annual international ACM SIGIR conference on Research and development in information retrieval** August 2002

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data and recommending scientific software.

Elias N. Houstis , Ann C. Catlin , John R. Rice , Vassilios S. Verykios , Naren Ramakrishnan , Catherine E. Houstis

**ACM Transactions on Mathematical Software (TOMS)** June 2000

Volume 26 Issue 2

Often scientists need to locate appropriate software for their problems and then select from among many alternatives. We have previously proposed an approach for dealing with this task by processing performance data of the targeted software. This approach has been tested using a customized implementation referred to as PYTHIA. This experience made us realize the complexity of the algorithmic discovery of knowledge from performance data and of the management of these data together with the d ...

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